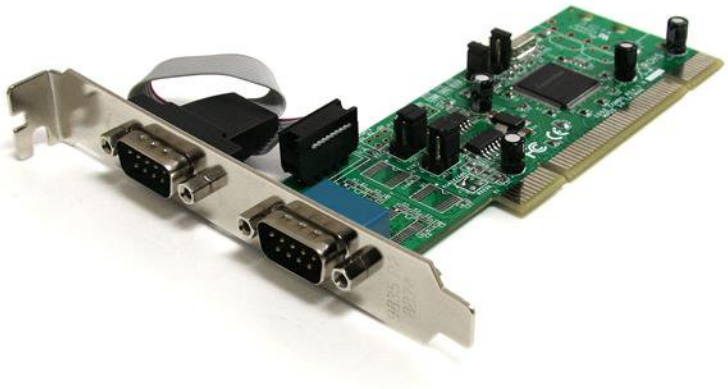
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Data Sheet

2 Port PCI RS422/485 Serial Adapter Card with 161050 UART

Product ID: PCI2S4851050



The PCI2S4851050 2-Port PCI Serial Adapter Card (RS422/RS485) with 161050 UART adds two DB9 RS422/RS485 serial ports, using a single PCI expansion slot.

The PCI serial card offers a high performance 16C1050 UART and supports both 2-wire and 4-wire RS485 modes. The card delivers an efficient single-chip design and a large 256-byte transit/receive FIFO buffer that work together to provide high-speed serial communication while reducing the overall load on the system CPU.

With the included standard and low profile/half-height brackets, this PCI serial expansion card suits a broad range of system form factors, and is a perfect addition for connecting RS422/485 serial devices to a host computer. For added versatility, the RS422/RS485 adapter is able to accommodate 3.3 or 5V PCI/PCI-X slots.

Backed by a StarTech.com lifetime warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS & REACH DOWNLOAD DECLARATION

TAA COMPLIANT

Applications

- Add RS422 and RS485 (2 or 4-wire) support to a Desktop, Server or Embedded system
- For use in industrial environments with serial networking devices, high speed modems, monitoring equipment, long distance communication devices and printers
- Ideal for commercial and industrial applications such as POS networks, ATMs, bank teller stations, and CNC based production lines
- Works for industrial process control and factory automation applications

Features

- Supports maximum data transmission rate of 128Kbps
- 16C1050 UART with 256-byte Deep FIFO
- Supports 2-wire and 4-wire RS485 modes
- Jumper pins for RS422/485 toggling
- Supports Hardware and Software flow control
- Supports PCI Power Management 1.1
- Compliant with PCI Local Bus Specification 2.3

	Warranty	Lifetime
Hardware	Bus Type	PCI / PCI-X (5 / 3.3V)
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	SystemBase - SB16C1052PCI
	Industry Standards	PCI Local Bus Specification 2.3 PCI Power Management 1.1
	Interface	Serial
	Port Style	Integrated on Card
	Ports	2
Performance	Data Bits	5, 6, 7, 8
	FIFO	256 Bytes
	Flow Control	Xon, Xoff
	Max Baud Rate	128 Kbps
	Parity	Even, Odd, or No Parity
	Serial Protocol	RS-422/485
	Stop Bits	1, 1.5, 2
Connector(s)	Connector Type(s)	1 - PCI / PCI-X (Universal 3.3 & 5V, 32-bit) Male
	External Ports	2 - DB-9 (9 pin, D-Sub) Male
Software	OS Compatibility	Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2000, 2003, 2008 R2, 2012, 2016
Environmental	Humidity	5~85% RH
	Operating Temperature	-10°C to 80°C (14°F to 176°F)
	Storage Temperature	-20°C to 100°C (-4°F to 212°F)
Physical Characteristics	Product Height	1.8 in [4.5 cm]
	Product Length	4.7 in [12 cm]
	Product Width	0.6 in [15 mm]
	Weight of Product	2 oz [58 g]
Packaging Information	Package Height	1.3 in [32 mm]
	Package Length	6.9 in [17.5 cm]
	Package Width	5.7 in [14.5 cm]
	Shipping (Package) Weight	0.3 lb [0.2 kg]

What's in the Box	Included in Package	1 - 2 port PCI RS422/485 card
		2 - Low profile (half-height) brackets
		1 - Driver CD
		1 - User Manual

Product appearance and specifications are subject to change without notice.